

SAFETY DATA SHEET



Cydetin Injection solution 1%

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	06/23/2020	122000009740	Date of first issue: 23.06.2020

SECTION 1. IDENTIFICATION

Product information

Product Name : Cydetin Injection solution 1%
SDS Number : 122000009740

Use : veterinary medicine

Company

Elanco Animal Health
2500 Innovation Way
Greenfield, IN 46140
USA
+1-877-Elanco1(+1-877-3526261)
elanco_sds@elanco.com

In case of emergency: CHEMTREC International: +1 703-527-3887 (24 hours)

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Flammable liquids : Category 2

Reproductive toxicity : Category 2

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.
H361 Suspected of damaging fertility or the unborn child.

Precautionary statements : **Prevention:**
P243 Take precautionary measures against static discharge.
P233 Keep container tightly closed.
P281 Use personal protective equipment as required.
Response:
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
Storage:
P403 + P235 Store in a well-ventilated place. Keep cool.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

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Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Ethanol	64-17-5	20,22
Moxidectin	113507-06-5	0,9595

SECTION 4. FIRST AID MEASURES

General advice : No hazards which require special first aid measures.

If inhaled : Not an expected entry route.

In case of skin contact : If skin reactions occur, contact a physician.

In case of eye contact : Flush eyes with water as a precaution.

If swallowed : In case of accidental ingestion, contact your regional poison center or physician immediately.

Most important symptoms and effects, both acute and delayed : No information available.

Notes to physician : No information available.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire-fighting : Fire may cause evolution of:
Carbon monoxide (CO)
Carbon dioxide (CO₂)

Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Use with adequate ventilation.

Methods and materials for containment and cleaning up : Suppress (knock down) gases/vapours/mists with a water spray jet.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Place in closed containers. Label for proper disposal.

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SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : No special protective measures against fire required.

Advice on safe handling : Industrial uses:
Avoid formation of aerosol.
Use with local exhaust ventilation.
Avoid contact with skin, eyes and clothing.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Propane-1,2-diol	57-55-6	TWA	10 mg/m ³	US WEEL
		TWA	10 mg/m ³	US WEEL
Ethanol	64-17-5	STEL	1.000 ppm	ACGIH
		STEL	1.000 ppm	ACGIH
		TWA	1.000 ppm 1.900 mg/m ³	NIOSH REL
		TWA	1.000 ppm 1.900 mg/m ³	NIOSH REL
		TWA	1.000 ppm 1.900 mg/m ³	OSHA Z-1
		TWA	1.000 ppm 1.900 mg/m ³	OSHA Z-1
		TWA	1.000 ppm 1.900 mg/m ³	OSHA P0
		TWA	1.000 ppm 1.900 mg/m ³	OSHA P0

Personal protective equipment

Respiratory protection : Recommended Filter type:
Organic vapor with prefilter
None required for consumer use of this product.

Hand protection
Material : Chemically resistant gloves.

Remarks : None required for consumer use of this product.
Eye protection : Safety glasses

Protective measures : None required for consumer use of this product.
No special safety precautions are required during handling of pharmaceuticals in their intended finished form (tablets or liquid formulations) by chemists, the hospital's medical staff or patients.
For the intake of ready for use pharmaceuticals or the external use on the skin please read the label and the package leaflet.
Wear suitable protective equipment.
Please consult label for end-user requirements.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	solution
Colour	:	clear
		to
		Pale yellow
Flash point	:	88 °F / 31 °C
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Impact sensitivity	:	No data available
Minimum ignition energy	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No data available
Chemical stability	:	No data available
Possibility of hazardous reactions	:	No data available
Conditions to avoid	:	No data available
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	Carbon monoxide (CO) Carbon dioxide (CO ₂)

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity	:	Acute toxicity estimate (ATE): > 5.000 mg/kg Method: Calculation method
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Components:

Ethanol:

Acute oral toxicity	:	LD50 (Rat): 10.470 mg/kg Method: OECD 401
Acute dermal toxicity	:	LD50 (Rabbit): 15.800 mg/kg

Moxidectin:

Acute oral toxicity	:	LD50 (Rat): 106 mg/kg Assessment: The component/mixture is toxic after single ingestion.
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Acute inhalation toxicity : LC50 (Rat): 4,1 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist/aerosol
Method: Calculation method
Assessment: The component/mixture is moderately toxic after short term inhalation.

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg
Assessment: The component/mixture is minimally toxic after single contact with skin.

Acute toxicity (other routes of administration) : LD50 (Rat): 394 mg/kg
Application Route: Intraperitoneal

LD50 (Rat): > 640 mg/kg
Application Route: Subcutaneous

Skin corrosion/irritation

Components:

Ethanol:

Species : Rabbit
Method : OECD 404
Result : No skin irritation

Moxidectin:

Result : Moderate skin irritation

Serious eye damage/eye irritation

Components:

Ethanol:

Result : Irritating to eyes.

Respiratory or skin sensitisation

Components:

Ethanol:

Test Type : Skin sensitisation
Species : Guinea pig
Method : Local lymph node assay (LLNA)
Result : Does not cause skin sensitisation.

Germ cell mutagenicity

Components:

Ethanol:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium

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Method: OECD 471

Result: negative

Test Type: Mouse lymphoma assay

Method: OECD 476

Result: negative

Genotoxicity in vivo : Test Type: Chromosome aberration test in vivo
Species: Mouse
Method: OECD 478
Result: ambiguous

Test Type: Micronucleus test

Species: Mouse

Method: OECD 474

Result: negative

Carcinogenicity**Components:****Ethanol:**

Result : Animal testing did not show any carcinogenic effects.

IARC	Group 1: Carcinogenic to humans	
	Ethanol	64-17-5
	Group 1: Carcinogenic to humans	
	Ethanol	64-17-5

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity**Components:****Ethanol:**

Effects on fertility : Species: Mouse
Application Route: Oral
General Toxicity - Parent: NOAEL: 15 %
General Toxicity F1: NOAEL: 10 %
General Toxicity F2: NOAEL: < 15 %
Method: OECD 416
Result: Animal testing did not show any effects on fertility.

Moxidectin:

Reproductive toxicity - Assessment : No toxicity to reproduction

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Further information

Components:

Ethanol:

Remarks : Breathing of the fumes may lead to narcotic symptoms.

Remarks : If inhaled:
Headache
Vomiting
Nausea

Remarks : After absorption of large quantities
hypotension
Coma
Unconsciousness
respiratory paralysis

Moxidectin:

Pharmaceutic effects

Remarks : Anthelmintics
Antiparasitic agent

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Ethanol:

Toxicity to microorganisms : Toxic limit concentration (*Pseudomonas putida*): 6.500 mg/l

Moxidectin:

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Persistence and degradability

Components:

Ethanol:

Biodegradability : Result: rapidly biodegradable

Moxidectin:

Stability in water : Degradation half life: 180 d

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Bioaccumulative potential

Components:

Ethanol:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: -0,320

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : Do not allow to enter surface waters or groundwater.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

SECTION 14. TRANSPORT INFORMATION

International Regulations

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

49 CFR

UN/ID/NA number	: UN 1170
Proper shipping name	: ETHANOL SOLUTION
Class	: 3
Packing group	: III
Labels	: Flammable Liquid
Marine pollutant	: no

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

Components	CAS-No.	Component TPQ (lbs)
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SARA 311/312 Hazards : No SARA Hazards

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Massachusetts Right To Know

Ethanol 64-17-5

Pennsylvania Right To Know

Propane-1,2-diol 57-55-6

Ethanol 64-17-5

New York City Hazardous Substances

Ethanol 64-17-5

California Permissible Exposure Limits for Chemical Contaminants

Ethanol 64-17-5

International Regulations

Montreal Protocol (Ozone Depleting Substances) : Not applicable

Rotterdam Convention (Prior Informed Consent) : Not applicable

Stockholm Convention (Persistent Organic Pollutants) : Not applicable

The components of this product are reported in the following inventories:

TSCA : Not On TSCA Inventory

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

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SECTION 16. OTHER INFORMATION

Further information

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA P0	:	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
US WEEL	:	USA. Workplace Environmental Exposure Levels (WEEL)
ACGIH / STEL	:	Short-term exposure limit
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
OSHA P0 / TWA	:	8-hour time weighted average
OSHA Z-1 / TWA	:	8-hour time weighted average
US WEEL / TWA	:	8-hr TWA

Revision Date : 06/23/2020

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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